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Attention: Group Art Unit: 2631

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- > Information Disclosure Statement Under 37 C.F.R. 1.56
- > Modified PTO Form 1449

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Patent
PD-200250
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen

Serial No.: 10/692,539

Filed: October 24, 2003

For: ON-LINE NOISE
MEASUREMENT FOR
LAYERED MODULATION

Group Art Unit: 2631

Examiner: To Be Determined

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Georgann S. Grunebach, Reg. No. 33,179
Date of SignatureINFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
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Dear Sir:

The references cited on the enclosed form PTO-1449 may be material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. In accordance with the Notice of the USPTO regarding the submission of Information Disclosure Statements without copies of U.S. patents and published applications in patent applications filed after June 30, 2003. Applicant submits herewith copies of foreign patent documents and non-patent literature only, if applicable. It is respectfully requested that the references be considered and made of record in the application identified above.

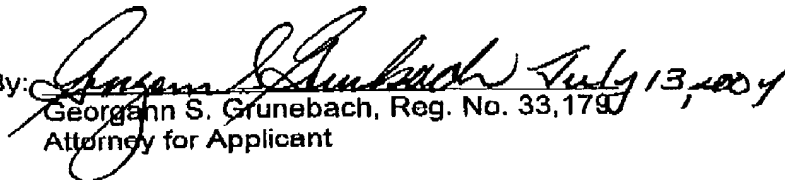
This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information

material to the examination of this application does not exist, or that this citation constitutes prior art.

It is believed that no fee is due with this submission. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of The DIRECTV Group, Inc., El Segundo, California.

Respectfully submitted,

By:


Georgann S. Grunebach, Reg. No. 33,179
Attorney for Applicant

THE DIRECTV GROUP, INC.
RE / R11 / A108
P.O. Box 966
El Segundo, CA 90245
310/ 964.4615

